Fiftieth Meeting

of the

American Electrochemical Society

Washington, D. C.

October, 7, 8, and 9

1926

LOCAL COMMITTEE

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H. W. Gillett — D. A. Lyon

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GENERAL INFORMATION

Hotel Information

Headquarters and **Registration Bureau** will be at **Hotel Washington,** Pennsylvania Avenue, opposite the Treasury. Hotel rates at this and other Washington Hotels are given on the last page of this Program.

Registration will begin at 7:00 P.M., Wednesday, October 6th, at Hotel Washington. The Registrar will receive arriving members and guests, distribute badges and programs, and give other information.

Guests should be introduced by members, and when registered may attend the sessions and receive such other courtesies as may be extended to them by the Local Committee or the officers of the Society. Local members of the American Chemical Society, American Electroplaters' Society, American Institute of Mining and Metallurgical Engineers, American Institute of Electrical Engineers and members of the Cosmos Club, are invited to register as guests without formal introduction.

Places of Meeting

All technical sessions will be held at the Hotel Washington. The lecture by Professor W. D. Bancroft and the informal dinner and dance on Thursday evening will also be held at Hotel Washington.

The presentation of honorary membership to Dr. Edward Weston, and the lecture by Dr. Charles Greeley Abbot, on "Solar Radiation," will be given at the National Academy of Sciences.

Round Table Discussion

The Round Table Discussion on "Preparation for Electrodeposition," Prof. E. M. Baker, chairman, will be held on Friday at 12:30, Hotel Washington. Tickets, $1.25 per cover.

Social Features

On Thursday, at 12:30, there will be an informal luncheon for members and guests, including ladies. $1.25 per cover. At 1:45 busses will leave Hotel Washington conveying members and guests to the pier for the boat trip to Mount Vernon. Tickets, $1.00. At 7:30 there

will be an informal "Get-Together" dinner, with an address on "The Ramifications of a Research Problem," by Dr. Wilder D. Bancroft, at Hotel Washington. This will be a joint dinner with local members of the American Chemical Society and will be followed by a dance at the hotel. Tickets, $3.00 per cover.

On Friday evening, at 8:00 o'clock, Certificate of Honorary Membership will be presented to Dr. Edward Weston, followed by an address by Dr. Charles Greeley Abbot on "Solar Radiation." This meeting will be held at the National Academy of Sciences.

Trips to Government Laboratories

On Friday afternoon, leaving the Hotel Washington at 2:00 o'clock, members and guests will have an opportunity to visit the Bureau of Engraving and Printing, The Bureau of Standards, and the Fixed Nitrogen Research Laboratory. The Bureaus close at 4:30 P.M. and the Fixed Nitrogen Research Laboratory at 4 P.M. These and other Government Laboratories are also open on Saturday afternoon.

Entertainment for Ladies

Thursday, October 7, 1926

12:30 P.M. Luncheon with Society members at Hotel Washington. Tickets, $1.25 per cover.

1:45 Busses leave Hotel Washington for pier. Boat Trip to Mount Vernon.

7:30 Informal dinner with members of American Chemical Society. Illustrated Address by Dr. Wilder D. Bancroft, of Cornell University. Informal Dance (Hotel Washington). Tickets: $3.00 per cover.

Friday, October 8, 1926

10:00 A.M. Sightseeing trip through Washington and suburbs. Luncheon at the Women's City Club. Tickets, including luncheon, $2.00.

2:00 P.M. Ladies will join members at Government Laboratories. Bureau of

Standards and Bureau of Engraving and Printing close at 4:30. Fixed Nitrogen Laboratory closes at 4:00.

8:00 P.M. Presentation of Honorary Membership Certificate to Dr. Edward Weston; address by Dr. Charles Greeley Abbot, on "Solar Radiation," at National Academy of Sciences.

Saturday, October 9, 1926

10:00 A.M. Shopping trips.

Typewritten Discussions

Members wishing to present written discussion on any of the technical papers listed in this program are requested to submit typewritten copies in triplicate to the American Electrochemical Society, Columbia University, New York City, not later than October 5th.

TECHNICAL PROGRAM

Wednesday, October 6, 1926

7-00 P.M. Registration begins at Hotel Washington.

Thursday, October 7, 1926

8:30 A.M. Registration.

9:30 A.M. Symposium on "Materials for Extreme Conditions in the Electrochemical Industries," Dr. H. W. Gillett, Chairman.

(5) H. J. French: Metals to Resist Corrosion or High Temperatures.

(10) Stanley M. Norwood: The Welding of High-Chromium Alloys Intended to Meet Extreme Conditions.

(1) J. G. Thompson: Materials of Construction for Nitrogen Fixation.

(12) M. L. Hartmann and O. B. Westmont: Thermal Insulation of Electric Furnaces.

(21) F. A. J. FitzGerald: Recrystallized Silicon Carbide.

(4) Max Unger: Refractories for Induction Furnaces.

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(8) Louis Jordon, A. A. Peterson and L. H. Phelps: Refractories for Melting Pure Metals: Iron, Nickel, Platinum.

(22) G. Merritt: The Thermal Expansion of Some Fused Oxides Used as Refractories.

(13) Wm. W. Winship: Vitreous Silica and Vitreous Quartz—Super Wares for Super Needs.

H. W. Gillett: General Survey of Present Problems.

12:30 P.M. Informal luncheon for members and guests, including ladies, at Hotel Washington. $1.25 per cover.

1:45 P.M. Busses leave Hotel Washington for pier. Boat trip to Mount Vernon.

7:30 P.M. Informal "Get-Together" Dinner and Dance at Hotel Washington. Address on "Ramifications of a Research Problem," by Dr. Wilder D. Bancroft. The dinner will be joint with the local members of the American Chemical Society.

Charge per cover, $3.00.

NOTES

Friday, October 8, 1926

9:00 A.M. Technical Session (Hotel Washington) on Electrodeposition, Dr. Wm. Blum, Chairman.

(17) M. R. Thompson: Acid Zinc Plating Baths.

(6) E. A. Vuilleumier: Relatively Fine-Grained Deposits from "Unsatisfactory" Electrolytes.

(7) Giichiro Fuseya and Kwanji Murata: The Common Propties of Addition Agents in Electrodeposition.

(9) Colin G. Fink and C. A. Philippi: Voltage Studies in Copper Refining Cells.

(11) Harvey D. Royce and Louis Kahlenberg: The Electrode Potential and Replacing Power of Manganese and a Study of Some of its Alloys.

(20) Clayton M. Hoff: Cadmium. Its Electrodeposition for Rust-Proofing Purposes.

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(14) G. Prescott Fuller: Some Properties of Electrolytic Iron.

(15) Leon McCulloch: Passivity and Corrosion of Iron.

12:30 P.M. Round Table Discussion at Luncheon (Hotel Washington). Subject: "Preparation for Electrodeposition," Prof. E. M. Baker, Chairman. $1.25 per cover.

2:00 P.M. Visits to Government Laboratories. (See page 3. The laboratories close at 4:30 and 4 o'clock.)

5:30 P.M. Meeting of the Board of Directors, Hotel Washington.

7:00 P.M. Dinner at Hotel Washington. Informal Group Dinners.

8:00 P.M. Meeting at National Academy of Sciences. Presentation of Honorary Membership Certificate to Dr. Edward Weston. Address by Dr. Charles Greeley Abbot on "Solar Radiation."

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Saturday, October 9, 1926

9:00 A.M. Technical Session (Hotel Washington) in charge of Committee on Organic Electrochemistry, Dr. C. J. Thatcher, Chairman.

(3) J. D. Edwards and C. S. Taylor: The Electrical Resistivity of Aluminum-Calcium Alloys.

(19) Carlton W. Croco and Alexander Lowy: Electrochemical Chlorination and Bromination of Benzene.

(18) Jacob Nevyas and Alexander Lowy: The Electrochemical Reduction of Indigo.

(16) John F. Conn and Alexander Lowy: The Electrolytic Oxidation of p-Bromotoluene and o-Nitrotoluene.

(2) L. U. Spence and P. B. Cochran: The Utilization of Ozone in the Drying of Insulating Varnishes.

12:30 Adjournment.

2:00 P.M. Informal visits to Government Laboratories.

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HOTELS

	Single room with bath	Double room with bath
Hotel Washington (Headquarters) Penna. Ave. opposite the Treasury	$4.00–$6.00	$6.00–$10.00
The Mayflower	5.00– 7.00	7.00– 12.00
LaFayette	4.00– 5.00	6.00– 8.00
Lee House	3.50– 6.00	6.00– 10.00
Cairo	3.50– 4.00	5.00– 6.00
Roosevelt	4.00– 6.00	5.00– 7.00
Hamilton	4.00– 6.00	7.00– 9.00

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Entrance Fee, $5.00. (Students are exempt from paying entrance fee.) Yearly Dues, $8.00. Application blanks and any other information may be obtained from the Secretary. Each member receives the Publications of the Society, in pamphlet form, containing the papers and discussions of the General Meetings of the Society. Members can obtain the bound volumes of the Transactions for an extra payment of $5.00 per year.

1927

SPRING MEETING

April 28, 29, 30

SILVER JUBILEE

at

PHILADELPHIA

An

INTERNATIONAL CONVENTION

On

ELECTROCHEMISTRY

Symposium

"Electrochemistry of Concentrated Solutions"

Papers On

Refractories
Corrosion
Gas Reactions
Electric Smelting